

Fig. 1

1 GACACCCAGTCATCAGTCACATCTGCTTTCTCGCACAGAGAGCGCCATAAAACATGAAGGTTTGTACTCTTTGCTGTTTCTTCTGCTTGGTCCA
M K V L L L F A V F F C L V Q

100 AACAACTCAG
R N S

gtaaatgtcttctgagtagccctggagaaggcaggatgccttttaggtttgtagaccacattgaggtgtgtccaggtatcaacattgg
200 gcacagatggtgggcccactctggggtcagggctcggaccactttcctaacgaagaggttttattttgattttttttgtttgttcatttgcaagagttg
300 caaattttacagcacggagacacagaggcctatatctccattgtgaataagaaggtctgattgtaactgagagtttattcaggacagaattacagccg
400 tacctgtgtcaaaagtgaattttactgcctcgctgtgagcagagaaggtgttcacatttatgcccttccctacccattacatccacagaacaccagat
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1400 ttcgagaggggctgggggctgggggctgggggctggagccactgttttatctcagtcgtgtgtttccacag
GGGACATACCACCTGGAATCAGAAACACC
G D I P P **G** I R N T

1500 GTGTGCTTCATGCAGCGGGGCCACTCTAGGGCTCTTCATGTGCCGCTTCTGGGGGAGACAAAGGGGGATATTTGCTCTGACCCCTGGAAACAGATGCTGCGTAT
V C F M Q R G H C R L F M C R S G E R K G D I C S D P W N R C C V

1600 CCAGTTCCATTAAAAACAGATGATAGAAGACTCATTGGAAGATCTGAGATGTGGGGTGCAAGCTCTTGGAAGCTAGAGACCTGGAAGCACCCCAAGGCT
S S **S** I K N R * *

1700 TTGAGTATGTGTGGCTAATGGTGCGTGCTCAATAAACACTTGTCTG

Fig. 2A

20 40 60 80

Bin1b MKV-LFLFAVFFCIVORNSG-----DIPPGIRNTVCFMQRGHCRLFMCRSGERKGDICSDPWNRCVSSSIKNR-----
 EP2E MKV-FFLFAVFFCIVQTN SG-----DVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSN TDEEGKEKPEMDGRSGI
 BNBD9 -----PEGVRNFVTCRINRGFCVPIRCPGHRRQIGTCLGPQIKCCR-----
 BNBD3 -----PEGVRNHVTCRINRGFCVPIRCPGTRQIGTCLFGPRKCCR SW-----
 BNBD7 -----PEGVRNFVTCRINRGFCVPIRCPGHRRQIGTCLGPRIKCCR-----
 TAP MRTHHLLALFLVLSA WSG-----FTQGVGNPVSCVRNKGICVPIRCPGSMKQIGTCVGRAVKCCRKK-----
 LAP MRTHHLLALFLVLSAGSG-----FTQGVNRSQSCRRNKGICVPIRCPGSMRQIGTCLGAQVRCRRK-----
 EBD MRTHHLLLTLLFLVLSAGSG-----FTQGVSNPLSCRLNRGICVPIRCPGNLQIGTCTFSPVFCRRR-----
 HBD1 MRTSYLLFTCLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQGTQYRGAKCCR-----
 HBD2 MRVLYLLFSFLFFLMPLPG-----VFGGSDPVTCLKSGAICHVPFCPRRYKQIGTCLPGTKCCRKP-----
 HBD3 MRTHYLLFALFLFLVPVPGHG-----GIINTLQKYYCRVGGRCVAVSLCPKEEDIGKSTRGRKCCRKK-----
 CBD1 MRTSYLLFTCLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQGTQYRGAKCCR-----
 CBD2 MRVLYLLFSFLFFLMPLPG-----VFGGSDPVTCLKSGAICHVPFCPRRYKQIGTCLPGTKCCRKP-----
 MBD1 MKTHYFLVMTCLFLSQMEPGVILTSLGRRTDQYKCLQHGGFCRLSSCPSNTKLQGTCKPDKPNCCKS-----
 MBD2 MRTLCSLLLICCLFSYTPAVGSLKSGYEAELDHCHTNGGYCVRAICPPSARRPGSCFPEKNPCCKYMK-----
 MBD3 MRTHYLLFAFLVLLSPAA-----FSKKTNNPVSCLRKGGRCWNR-CIGNTRQIGSGGVPLKCCRK-----
 MBD4 MRTHYLLFTFLVLLSPLAA-----FTQILNNPITCMTNGAICWGP-CTAPRQIGNGHFVPCCKIR-----
 RBD1 MKTHYFLVMTCLFLSQMELGAGILTSLGRRTDQYKCLQHGGFCRLSSCPSHTKLQGTCKPDKPNCCKS-----
 RBD2 MRTHYLLFSFLVLLSPLSA-----FTQSENNPITCLTKGGVCWGP-CTGGFRQIGTCLGPRVCCRKK-----
 GBD1 MRTHHLLLVFLVLSAGSG-----FTQGVRSRSCHRNKGVCALTRCPNMROIGTCLFGPPVKCCRKK-----
 GBD2 MRTHHLLALFLVLSAGSG-----FTQGVINHRSCYRNKGVCAPARCPRNMROIGTCHGPPVKCCRKK-----
 SBD1 MRTHHLLLVFLVLSAGSG-----FTQGVNRNLSCHRNKGVCVPSRCPRHMRQIGTCLRGPPVKCCRKK-----
 SBD2 MRTHHLLLVFLVLSAGSG-----PTHGVTLSLRWKKGICVLTRCPGTMROIGTCLFGPPVKCCRLLK-----
 PBD1 MRTHHLLLVFLVLMVLLPVPG-----LLKNTGNSVSCLRNKGVCMPGKCAPKMKQIGTCGMPQVVKCCRK-----
 Gal1 -----GRKSDCFRKSQFCAPLKCPSLTLISGKCSRFL-CKKRIW-----
 Gal1a -----GRKSDCFRKNQFCAPLKCPYTLTLISGKCSRFL-CKKRIW-----
 Gal2 -----LFC--KGGSCHFGGCPSHLIKVGSCFGFRS-CKKWPNA-----
 THP1 MRVLYLLFPFLVLLAQGAAG-----SSLAIGKREKCLRRNGFCAPLKCPVTLVSGTCSRFL-CKKTLG-----
 THP2 MRVLYLLFSFLVLLAQVS-----PGLSSPKRDM LFC--KRGTCHPGRCPSHLIKVGSCFGFRS-CKKWPDA-----

m 1 c g c Cp g c cc

Fig. 2B

20 40 60

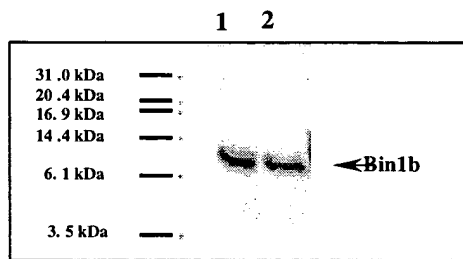
Bin1b MKVLLFLFAVFFCIVORNS-----
 EP2E MKVFFLFAVLFCLVOTNS-----
 EP2D MRQRLLPSVTSLLLVALLFPGSSQARHVNHSA TEALGELRERAPGQGTNGFQLRHAVKRDLLPPRT
 HE2b1 MRQRLLPSVTSLLLVALLFPGSSQARHVNHSA TEALGELRERAPGQGTNGFQLRHAVKRDLLPPRT

80 100 120

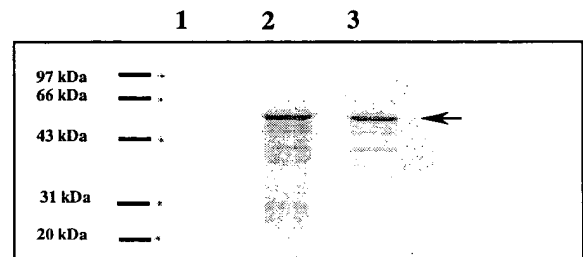
Bin1b -----GDIPPGIRNTVCFMQRGHCRLFMCRSGERKGDICSDPWNRCVSSSIKNR-----
 EP2E -----GDVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSN TDEEGKEKPEMDGRSGI
 EP2D PPYQGDVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSN TDEEGKEKPEMDGRSGI
 HE2b1 PPYQGDVPPGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSN TDEEGKEKPEMDGRSGI

Fig. 2C

A.



B.



C.

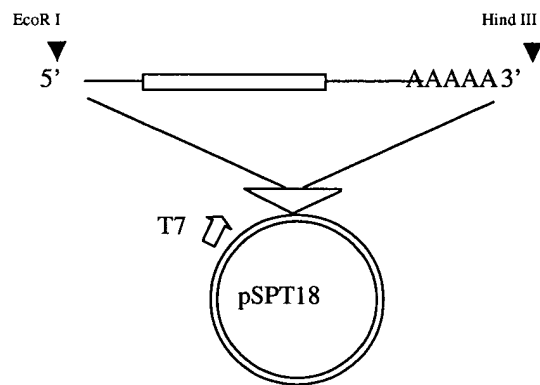


Fig. 3

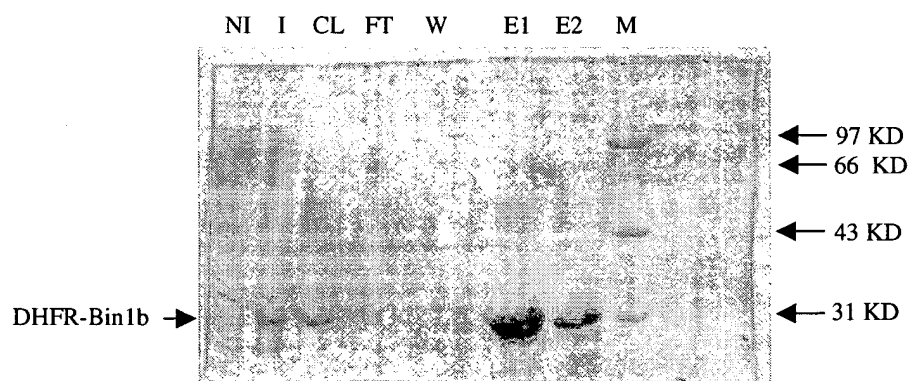


Fig. 4

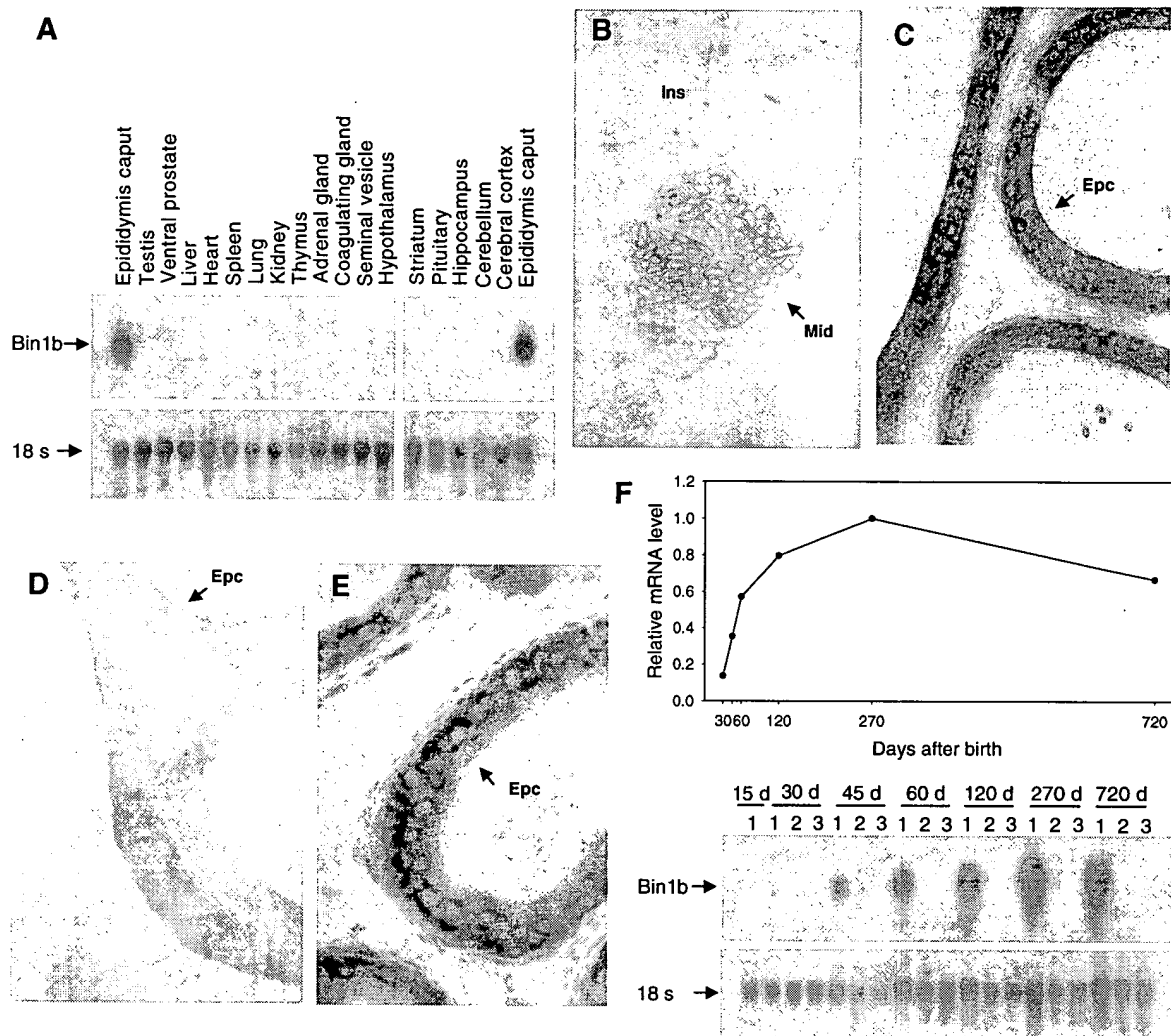
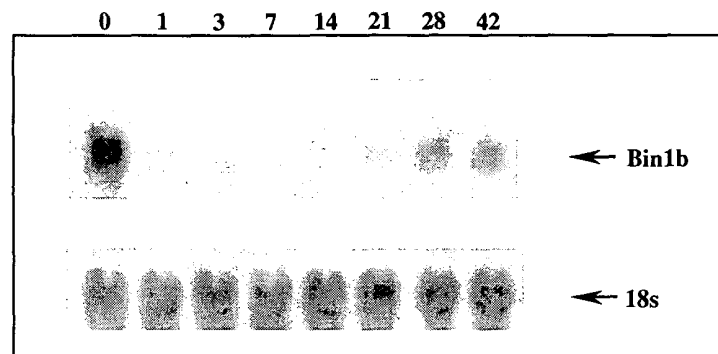


Fig. 5

A.



B.

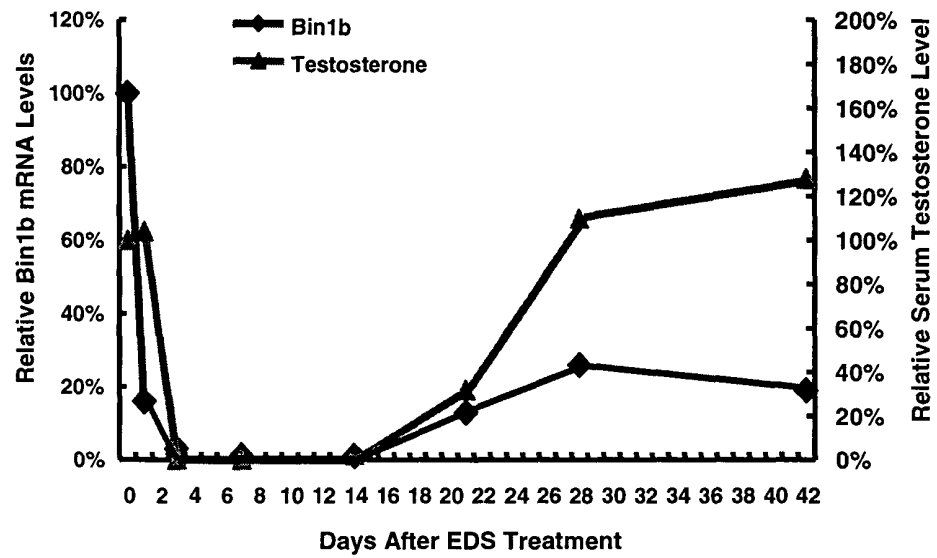


Fig. 6

